

Alpha PVC GW 3003 NATURAL LCF Q

Polyvinyl Chloride

AlphaGary

Message:

A 80°C RATED, LEAD FREE, HIGHLY FLAME RETARDED JACKETING COMPOUND.

General Information			
Features	Low (to no) lead content		
	Flame retardancy		
Uses	Cable sheath		
RoHS Compliance	Contact manufacturer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52 - 1.56	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	93 - 99		ASTM D2240
Shaw A, 15 seconds	86 - 92		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D412
0.762 mm	18.6	MPa	ASTM D412
1.91 mm	16.5	MPa	ASTM D412
Tensile Elongation			ASTM D412
Fracture, 1.91mm	310	%	ASTM D412
Fracture, 0.762mm	280	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-15.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	3.30		ASTM D150
Dissipation Factor (23°C, 100 MHz)	0.019		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	43	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	143	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	166	°C	
Cylinder Zone 4 Temp.	171	°C	

Cylinder Zone 5 Temp.	177	°C
Adapter Temperature	177	°C
Melt Temperature	174 - 179	°C
Die Temperature	177	°C

Extrusion instructions

Melt temperature is critical, at melt temperatures above 370 degrees F it is possible to cause foaming

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